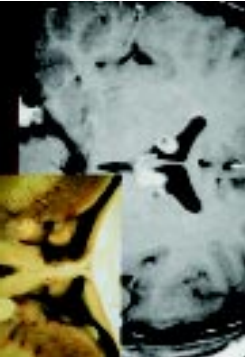


American Registry of Pathology
14th Street & Alaska Avenue, NW
Washington, DC 20306-6000



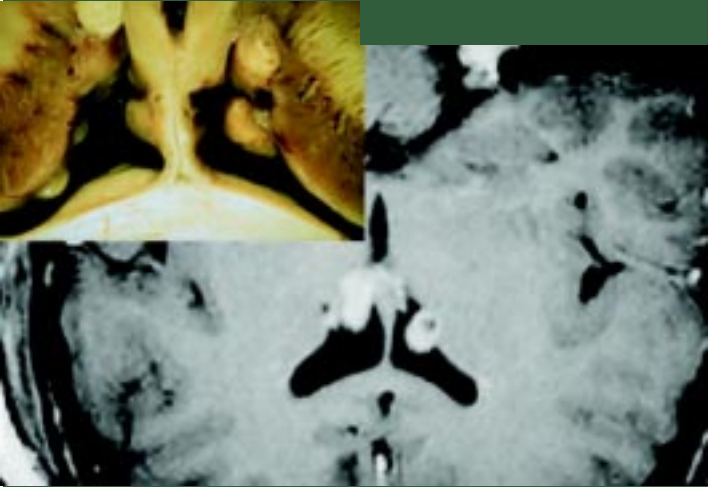
Armed Forces Institute of Pathology
24th Annual Washington Neuroradiology Review
47th Annual Dr. Kenneth M. Earle Memorial
Neuropathology Review
21 - 27 February 2009
Bethesda North Marriott Hotel and
Conference Center
Bethesda, Maryland

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Dr. Kenneth M. Earle Memorial
NEUROPATHOLOGY
REVIEW

Armed Forces Institute of Pathology



Bethesda North Marriott Hotel and
Conference Center
Bethesda, Maryland
21 - 27 February 2009
Course Directors
Glenn D. Sandberg, COL, MC, USA
Elisabeth J. Rushing, COL, MC, USA
James G. Smirniotopoulos, MD
Alice B. Smith, Lt Col, USAF, MC
Sponsored by
Armed Forces Institute of Pathology
American Registry of Pathology

Non-US citizens must, PRIOR TO THE COURSE, mail or fax a complete registration form along with one of the following: (1) a clear copy of the first two pages of your passport with number showing, (2) a clear copy of your green card with number showing, or (3) a copy of your visa and the DS-2019 form. You will be unable to attend the course without this information. You may receive the syllabus and related material, but no refunds.

Send to: Ricky Giles
Department of Medical Education
Armed Forces Institute of Pathology
14th Street & Alaska Avenue, NW
Washington, DC 20306-6000
Fax: (202) 782-5020

If you are sponsored by an ECFMG organization, please verify your status as current and active by including a letter from the program director with your registration form.

If you are affiliated with your country's government/military, please write to the Office of the Surgeon General, DASG-HCZ-IP, 5109 Leesburg Pike, Falls Church, Virginia 22041-3258 [FAX: (703) 681-3429] and provide: (1) a copy of the application from the course announcement and (2) a letter from your personnel office certifying full-time employment.

All non-US citizens must make checks or International Money Orders payable to the **American Registry of Pathology**. All payments must be in US dollars and be accompanied by the course application. Send to the Department of Medical Education at the Armed Forces Institute of Pathology, Washington, DC 20306-6000.

US CITIZENS
US citizens must provide, PRIOR TO THE COURSE, a clear copy of your birth certificate or the first two pages of your passport. You will be unable to attend the course without this information. You may receive the syllabus and related material, but no refunds.

COURSE LOCATION
These courses will be held at the Bethesda North Marriott Hotel & Conference Center, Bethesda, Maryland. Rooms have been reserved at a reduced rate of \$201 single/double or the prevailing government per diem until 16 January 2009. Reservations received after this date will be filled on a space available basis. When contacting the hotel to make your reservation, please refer to **Neuroradiology and Neuropathology Course**.
Bethesda North Marriott Hotel & Conference Center
5701 Martinelli Road
Bethesda, Maryland 20852
Tel: (800) 228-9290

NON-US CITIZENS
Non-US citizens must, PRIOR TO THE COURSE, mail or fax a complete registration form along with one of the following: (1) a clear copy of the first two pages of your passport with number showing, (2) a clear copy of your green card with number showing, or (3) a copy of your visa and the DS-2019 form. You will be unable to attend the course without this information. You may receive the syllabus and related material, but no refunds.

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NEURORADIOLOGY

COURSE DESCRIPTION
This two-day weekend course is designed to offer radiologists, neurologists, neurosurgeons, and pathologists a basic review and update of selected neuroradiology topics. Important radiologic-pathologic concepts will be illustrated by magnetic resonance imaging, computed tomography, as well as conventional studies.

COURSE OBJECTIVE
The course is designed to illustrate basic concepts in neuroradiology by using radiologic pathologic correlation to enhance practitioner knowledge and skills.

ACCREDITATION STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Armed Forces Institute of Pathology and the American Registry of Pathology. The Armed Forces Institute of Pathology is accredited by the ACCME to provide continuing medical education for physicians and takes responsibility for the content, quality, and scientific integrity of this CME activity.

DOCUMENTATION OF CREDITS

All participants are provided a letter of attendance at the completion of the course. This document is acceptable by the IRS and state medical societies as proof of attendance at the course. A \$10 administrative processing fee will be charged for each additional request for documentation of CME credits.

ACCREDITATION STATEMENT

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DOCUMENTATION OF CREDITS

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PROGRAM		
SATURDAY, 21 FEBRUARY 2009		
7:00 - 7:50	Registration/ Review of Unknown Cases	
7:50 - 8:00	Welcome	Glenn D. Sandberg, COL, MC, USA
8:00 - 8:50	Patterns of Contrast Enhancement	James G. Smirniotopoulos, MD
8:50 - 9:40	Intraaxial Neoplasms	James G. Smirniotopoulos, MD
9:40-10:00	BREAK	
10:00-10:50	Intraventricular Neoplasms	Alice Boyd Smith, Lt Col, USAF, MC
10:50-11:40	Imaging of Demyelination	Alice Boyd Smith, Lt Col, USAF, MC
11:40 - 1:00	LUNCH (on your own)	
1:00 - 1:50	CNS Trauma	James G. Smirniotopoulos, MD
1:50 - 2:40	Non-traumatic CNS Emergencies	C. Douglas Phillips, MD
2:40 - 3:00	BREAK	
3:00 - 3:50	Sinonasal Imaging: Neoplastic Disease	C. Douglas Phillips, MD
3:50 - 4:40	“Top 10” Spinal Lesions	Alice Boyd Smith, Lt Col, USAF, MC
4:40 - 5:30	The Temporal Bone: Anatomy and Pathology	C. Douglas Phillips, MD

SUNDAY, 22 FEBRUARY 2009		
7:30 - 8:20	Extraaxial Neoplasms	James G. Smirniotopoulos, MD
8:20 - 9:10	Stroke	C. Douglas Phillips, MD
9:10 - 9:30	BREAK	
9:30-10:20	Congenital Brain Anomalies	Alice Boyd Smith, Lt Col, USAF, MC
10:20-11:10	Congenital Spine Anomalies	Alice Boyd Smith, Lt Col, USAF, MC
11:10-12:30	LUNCH (on your own)	
12:30 - 1:20	Vascular Malformations	James G. Smirniotopoulos, MD
1:20 - 2:10	Phakomatoses Update	James G. Smirniotopoulos, MD
2:10 - 2:30	BREAK	
2:30 - 4:30	Imaging Seminar: How I Do It - MRI protocols	Gerald Reidy, MD, PhD

PROGRAM SUBJECT TO CHANGE

FACULTY
C. Douglas Phillips, MD, FACR
Professor of Radiology, Neurosurgery, and Otolaryngology
Department of Radiology, UVA Health Systems
Charlottesville, Virginia
Gerald Reidy, MD, PhD
Director MR Research, Department of Radiology
Walter Reed Army Medical Center
Washington, DC
Assistant Professor, Department of Radiology and Radiologic Sciences
Uniformed Services University of the Health Sciences
Bethesda, Maryland
Glenn D. Sandberg, COL, MC, USA
Director, Clinical Initiatives and Development
Manager, Tissue Microarray Program
Staff Neuropathologist, Department of Neuropathology and Ophthalmic Pathology
Armed Forces Institute of Pathology
Washington, DC
James G. Smirniotopoulos, MD
Professor of Radiology, Neurology, and Biomedical Informatics
Chairman, Department of Radiology and Radiological Sciences, Uniformed Services University of the Health Sciences, Bethesda, Maryland
Visiting Federal Scientist, Department of Radiologic-Pathology
Armed Forces Institute of Pathology
Washington, DC
Alice B. Smith, Lt Col, USAF, MC
Chief, Neuroradiology, Department of Radiologic Pathology
Armed Forces Institute of Pathology
Washington, DC
Assistant Professor, Department of Radiology and Radiological Sciences
Uniformed Services University of the Health Sciences
Bethesda, Maryland

Audiotaping or videotaping is prohibited.

It is the policy of the Armed Forces Institute of Pathology that the provider and faculty/presenters disclose any significant financial or other relationships with commercial companies whose products may be discussed in the activity, or the commercial supporters, if any. The Armed Forces Institute of Pathology also requires that faculty disclose any unlabeled or investigational use (not yet approved for any purpose) of pharmaceutical products and medical devices. Specific disclosure will be made to the participants prior to the educational activity.

NEUROPATHOLOGY

COURSE DESCRIPTION

Kenneth M. Earle, MD, former Chair, Department of Neuropathology, initiated a course designed to prepare pathologists, neurologists, and neurosurgeons for specialty board certification. This is the 47th iteration, which is dedicated to his memory. The five-day course will provide a comprehensive review of neuropathology for individuals interested in the neurosciences and pathology. Lectures will be illustrated by gross and microscopic photographs using PowerPoint presentations, and will be supplemented by a course syllabus.

COURSE OBJECTIVE

Participants in this course will benefit by gaining:

- Enhanced knowledge of the pathology and recent developments in the pathophysiology of common and unique disorders of the central and peripheral nervous systems and skeletal muscle.
- Familiarization with recently recognized pathologic processes related to the central and peripheral nervous systems and skeletal muscle.
- Improved understanding of basic histopathologic, histochemical, immunohistochemical, and ultra-structural features of disorders of the central and peripheral nervous systems and skeletal muscle.
- Insight into clinical, radiologic and pathologic correlations, and prognostic factors of central nervous system lesions.

PROGRAM

MONDAY, 23 FEBRUARY 2009

- 8:00 - 9:00 Registration
- 9:00 - 9:15 Welcome
Elisabeth J. Rushing, COL, MC, USA
- 9:15 - 10:30 Introduction to Neuropathology
Glenn D. Sandberg, COL , MC, USA
- 10:30-11:00 BREAK
- 11:00-12:00 Bacterial Infections of the CNS
Steven C. Bauserman, MD
- 12:00 - 1:00 LUNCH BREAK
- 1:00 - 2:00 Fungal and Parasitic Infections of the CNS
Bette Kleinschmidt-DeMasters, MD
- 2:00 - 3:00 Viral Infections of the CNS (Excluding HIV)
Jorge A. Gutierrez, MD
- 3:00 - 3:30 BREAK
- 3:30 - 4:30 Neuropathology of AIDS
Carol K. Petito, MD

GUEST FACULTY (cont)

- Michael N. Hart, MD**
Professor and Chair
Department of Laboratory Medicine and Pathology
University of Wisconsin Medical School
Madison, Wisconsin
- Reid R. Heffner, Jr., MD**
Assistant Dean for Curriculum,
Professor, Department of Pathology and Anatomical Sciences
State University of New York School of Medicine
Buffalo, New York
- Ronald C. Kim, MD**
Clinical Professor of Pathology and Neurology
University of California, Irvine
Neuropathologist, Department of Veterans Affairs
Department of Pathology
Long Beach, California
- Bette Kleinschmidt-DeMasters, MD**
Professor of Pathology, Neurology and Neurosurgery
University of Colorado at Denver and Health Sciences
Center, Aurora, Colorado
- Paul E. McKeever, MD, PhD**
Professor of Pathology, Chief, Section of Neuropathology,
University of Michigan
Ann Arbor, Michigan
- Joseph E. Parisi, MD**
Professor of Pathology, Departments of Laboratory Medicine
and Pathology and Neurology
Mayo Clinic
Rochester, Minnesota
- Carol K. Petito, MD**
Professor of Pathology, Department of Pathology
University of Miami School of Medicine
Miami, Florida
- Lucy B. Rorke-Adams, MD**
Senior Neuropathologist, Department of Pathology
Children’s Hospital of Philadelphia
Philadelphia, Pennsylvania
- Mariarita Santi, MD**
Staff Neuropathologist, Department of Pathology
Children’s Hospital of Philadelphia
Philadelphia, Pennsylvania
- Bernd W. Scheithauer, MD**
Professor of Pathology, Department of Laboratory
Medicine and Pathology
Mayo Clinic
Rochester, Minnesota
- Robert E. Schmidt, MD, PhD**
Professor of Pathology and Immunology
Director, Division of Neuropathology
Washington University School of Medicine
St. Louis, Missouri
- Caroline Sewry PhD FRCPATH**
Professor of Muscle Pathology, Wolfson Centre for Inherited
Neuromuscular Diseases, RJAH Orthopaedic Hospital
Oswestry, UK

TUESDAY, 24 FEBRUARY 2009

- 8:00 - 9:00 Vascular Diseases of the CNS
Carol K. Petito, MD
- 9:00 - 10:00 Ischemic Lesions of the Brain
Jorge A. Gutierrez, MD
- 10:00-10:30 BREAK
- 10:30-11:30 CNS Trauma I
Mary E. Case, MD
- 11:30-12:30 LUNCH BREAK
- 12:30 - 1:30 CNS Trauma II
Mary E. Case, MD
- 1:30 - 3:00 Diseases of the Spinal Cord
Ronald C. Kim, MD
- 3:00 - 3:30 BREAK
- 3:30 - 5:00 Diseases of Peripheral Nerves
Robert E. Schmidt, MD, PhD

WEDNESDAY, 25 FEBRUARY 2009

- 8:00 - 9:30 Demyelinating Diseases
Robert E. Schmidt, MD, PhD
- 9:30 - 10:00 BREAK
- 10:00-11:30 Degenerative Diseases of the CNS
Michael N. Hart, MD
- 11:30-12:30 LUNCH BREAK
- 12:30 - 2:00 Toxic and Metabolic Diseases of the CNS
Kymberly A. Gyure, MD
- 2:00 - 2:30 BREAK
- 2:30 - 4:30 Pediatric Neuropathology
Lucy B. Rorke-Adams, MD

THURSDAY, 26 FEBRUARY 2009

- 8:00 - 9:00 New Methods of CNS Tumor Analysis
Paul E. McKeever, MD, PhD
- 9:00 - 10:00 Correlation of Neuroradiology and Neuropathology I
James G. Smirniotopoulos, MD
- 10:00-10:30 BREAK
- 10:30-11:30 Correlation of Neuroradiology and Neuropathology II
James G. Smirniotopoulos, MD
- 11:30-12:30 Embryonal, Neuronal, and Mixed Neuronal-Glial Neoplasms of the CNS
Elisabeth J. Rushing, COL, MC, USA
- 12:30 - 1:30 LUNCH BREAK
- 1:30 - 2:30 Glial Neoplasms (Except Astrocytomas)
Joseph E. Parisi, MD
- 2:30 - 4:00 Non-Glial Neoplasms
Joseph E. Parisi, MD
- 4:00 - 5:00 Pathologic Analysis of CNS Surgical Specimens
Peter C. Burger, MD

REGISTRATION

Tuition is \$500 for the Neuroradiology, \$875 for Neuropathology and \$1375 for both courses. *Early registration (prior to 11 January 2009) is \$450 for Neuroradiology, \$825 for Neuropathology and \$1175 for both courses.*

Active-duty US military, Department of Defense civilians, full-time permanent Department of Veterans Affairs employees (not residents or fellows), and commissioned officers of the US Public Health Service with authorized approval have a **registration fee of \$350 for Neuroradiology, \$600 for Neuropathology and \$850 for both courses.**

The fee for civilian medical students, residents, and fellows attending the Neuroradiology course is \$400 when registration is accompanied by a letter from their program director. Course enrollment is limited.

An administrative fee of \$100 per registrant will be deducted for cancellation. **Refund requests must be received in writing no later than one week prior to the course. No refunds will be made thereafter.**

Course fees are payable by check or money order to the **American Registry of Pathology** or by VISA, MasterCard, American Express and are due at the time of enrollment. *Early registration is recommended.* To register by mail, complete the form and send it with payment to the Department of Medical Education at the AFIP. To register by telephone, fax, or Internet, credit card payment is required.

The AFIP recommends you fax your application or register online to avoid mail delays.

INFORMATION

For further information please contact:
Course Coordinator: Ricky Giles
Department of Medical Education
Armed Forces Institute of Pathology
Washington, DC 20306-6000
Tel: (202) 782-2637
Toll-Free Tel: (800) 577-3749 (within the US)
Fax: (202) 782-5020
Toll-Free Fax: (800) 441-0094
DSN: 662-2637 Email: came@afip.osd.mil



If you need special assistance, please contact us.

Register on the Web
www.askafip.org

FRIDAY, 27 FEBRUARY 2009

- 8:00 - 9:30 Pituitary Neoplasms
Bernd W. Scheithauer, MD
- 9:30 - 10:00 BREAK
- 10:00 - 11:30 Astrocytomas
Bernd W. Scheithauer, MD
- 11:30 - 12:30 Pineal Region Neoplasms and Hematopoietic Lesions of the CNS
Mariarita Santi, MD
- 12:30 - 1:30 LUNCH BREAK
- 1:30 - 2:30 Neuromuscular Diseases
Reid R. Heffner, Jr., MD
- 2:30 - 3:30 Congenital Myopathies, Dystrophies and Inflammatory Myopathies
Caroline Sewry, PhD FRCPATH

AFIP FACULTY

Elisabeth J. Rushing, COL, MC, USA
Chair, Department of Neuropathology and Ophthalmic Pathology
Professor, Department of Neurology
Uniformed Services University of the Health Sciences

Glenn D. Sandberg, COL, MC, USA
Director, Clinical Initiatives and Development
Manager Tissue Microarray Program
Staff Neuropathologist
Department of Neuropathology and Ophthalmic Pathology

James G. Smirniotopoulos, MD
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Chairman, Department of Radiology and Radiological Sciences
Uniformed Services University of the Health Sciences
Bethesda, Maryland
Visiting Federal Scientist, Department of Radiologic-Pathology
Armed Forces Institute of Pathology
Washington, DC

GUEST FACULTY

- Steven C. Bauserman, MD**
Clinical Professor, Department of Pathology
UTMB, Austin Campus, Brackenridge Hospital
Austin, Texas
- Peter C. Burger, MD**
Professor of Pathology, Oncology and Neurosurgery
Johns Hopkins University School of Medicine
Baltimore, Maryland
- Mary E. Case, MD**
Professor of Pathology
St. Louis University Health Sciences Center
Chief Medical Examiner, St. Louis, St. Charles, Jefferson, and Franklin Counties
St. Louis, Missouri
- Jorge A. Gutierrez, MD**
Assistant Professor of Pathology, Henry Ford Hospital
Detroit, Michigan
- Kymberly A. Gyure, MD**
Associate Professor of Pathology and Neurology
Vice-Chair and Director of Anatomic Pathology
West Virginia University School of Medicine
Morgantown, West Virginia

REGISTRATION FORM

24th Annual Washington Neuroradiology Review
21 - 22 February 2009
47th Annual Neuropathology Review
23 - 27 February 2009

Make checks payable to:
AMERICAN REGISTRY OF PATHOLOGY
Check Course Attending: ☐Neurorad ☐Neuropath ☐Both

Tuition enclosed (payment in US dollars only) \$ _____

Name: _____

Title: ☐MD ☐PhD ☐Other: _____

Mailing Address: _____

City: _____

State: _____ Zip: _____

Citizenship: _____

Country of Birth: _____

Business Telephone: _____

Home Telephone: _____

Fax: _____

Email: _____

Specialty: _____

Board Status: ☐Certified ☐Eligible ☐Resident/Fellow

Military/Federal Civilian (only) Rank/Civilian Grade: _____

Service or Agency: _____

Corps: ☐MC ☐BS ☐MS

Method of Payment: ☐Check/Money Order ☐MasterCard
☐VISA ☐American Express

Name (as it appears on card): _____

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Cardholder Telephone: (if different from above) _____

Card Number: _____

Expiration Date: _____

Card Security Code Number: _____

Signature: _____

I will be staying at the Bethesda N. Marriott ☐Yes ☐No

MAIL TO: American Registry of Pathology
P.O. Box 10008
Rockville, Maaryland 20849-0008